

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :	Beurain et al.	Art Unit :	3775
Serial No. :	10/533,846	Examiner :	Andrew Yang
Filed :	November 11, 2005	Conf. No. :	7881
Title :	INTERVERTEBRAL DISC PROSTHESIS		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the Filing Receipt for the above-referenced application as follows:

- Include inventor Jean Huppert, 16 allée Chataignière, 42858 L'Etrat France; and
- Add a priority claim to French Application No. 0213833, filed November 5, 2002.

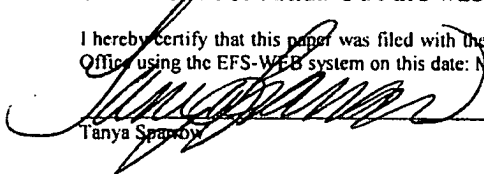
A copy of the original transmittal and the declaration filed reflecting inventor Jean Huppert and the claim to priority are attached.

Please note that this application entered the national stage in the United States from International Application PCT/IB03/04872 after compliance with 35 U.S.C. 371, and that the claim of priority to FR 0213833 was made during the pendency of the International Application within the time limit set forth in the PCT and the Regulations under the PCT. Attached is a copy of the first page of International Publication No. WO 2004/041129 showing the priority claim in the International Application.

Please supply a corrected Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes is attached for your convenience.

CERTIFICATE OF MAILING BY EFS-WEB FILING

I hereby certify that this paper was filed with the Patent and Trademark Office using the EFS-WEB system on this date: March 26, 2009


Tanya Spawny

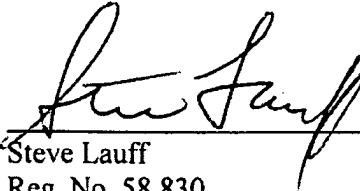
Applicant : Beaurain et al.
Serial No. : 10/533,846
Filed : November 11, 2005
Page : 2 of 2

Attorney's Docket No.: 21249-0014US1 / LDR/10/US

No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date: March 26, 2009



Steve Lauff
Reg. No. 58,830

Fish & Richardson P.C.
One Congress Plaza
Suite 810
111 Congress Avenue
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11069938.doc

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER LDR1101US1AK159656 U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/533846
INTERNATIONAL APPLICATION NO. PCT/1803/04872	INTERNATIONAL FILING DATE OCTOBER 31, 2003	PRIORITY DATE CLAIMED NOVEMBER 5, 2002
TITLE OF INVENTION INTERVERTEBRAL DISK PROSTHESIS		
APPLICANT(S) FOR DO/EO/US BEAURIN, JACQUES ET AL		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input checked="" type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Return Postcard; International Search Report 		


This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

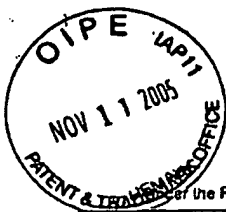
JCO6 Rec'd PCT/PTO 04 MAY 2005

PTO-1390 (Rev. 02-2005)

Approved for use through 3/31/2007. OMB 0851-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. <u>10/533846</u> (If known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO. <u>PCT/1803/04872</u>		ATTORNEY'S DOCKET NUMBER <u>LDR110/US/1AK159656</u>	
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$ 300	
22. <input checked="" type="checkbox"/> Examination fee If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$ 200	
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				500	
TOTAL OF 21, 22 and 23 =				\$ 1000	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	- 20 =		x \$ 50	\$	
Independent claims	- 3 =		x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 500	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$	
TOTAL NATIONAL FEE =				\$ 500	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$ 500	
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0897</u> in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0897</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p>					
<p>SEND ALL CORRESPONDENCE TO:</p> <p>J. SCOTT DENKO ANDREWS KURTH LLP 111 CONGRESS AVE., SUITE 1700 AUSTIN, TX 78701 Tel: 512-320-9200 Fax: 512-320-9292</p>					
				<p> SIGNATURE J. SCOTT DENKO NAME <u>37,606</u> REGISTRATION NUMBER</p>	



Declaration and Power of Attorney for Patent Application

Déclaration et Pouvoirs pour Demande de Brevet

French Language Declaration

En tant que l'inventeur nommé ci-après, je déclare par le présent acte que:

Mon domicile, mon adresse postale et ma nationalité sont ceux figurant ci-dessous à côté de mon nom.

Je crois être le premier inventeur original et unique (si un seul nom est mentionné ci-dessous), ou l'un des premiers co-inventeurs originaux (si plusieurs noms sont mentionnés ci-dessous) de l'objet revendiqué, pour lequel une demande de brevet a été déposée concernant l'invention intitulée

Intervertebral Disk Prosthesis

et dont la description est fournie ci-joint à moins que la case suivante n'ait été cochée:

☒ a été déposée le May 04, 2005
sous le numéro de demande des Etats-Unis ou le
numéro de demande international PCT
_____ et modifiée le
_____ (le cas échéant).

Je déclare par le présent acte avoir passé en revue et compris le contenu de la description ci-dessus, revendications comprises, telles que modifiées par toute modification dont il aura été fait référence ci-dessus.

Je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, § 1.56 du Code fédéral des réglementations.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Intervertebral Disk Prosthesis

the specification of which is attached hereto unless the following box is checked:

☒ was filed on May 04, 2005
as United States Application Number or PCT
International Application Number
_____ and was amended on
_____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

[Page 1 of 5]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

BEST AVAILABLE COPY

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French Language Declaration

Je revendique par le présent acte avoir la priorité étrangère, en vertu du Titre 35, § 119(a)-(d) ou § 365(b) du Code des Etats-Unis, sur toute demande étrangère de brevet ou certificat d'inventeur ou, en vertu du Titre 35, § 365(a) du même Code, sur toute demande internationale PCT désignant au moins un pays autre que les Etats-Unis et figurant ci-dessous et, en cochant la case, j'ai aussi indiqué ci-dessous toute demande étrangère de brevet, tout certificat d'inventeur ou toute demande internationale PCT ayant une date de dépôt précédant celle de la demande à propos de laquelle une priorité est revendiquée.

Prior foreign application(s)
Demande(s) de brevet antérieure(s)
0213833 France

(Number) (Country)
(Numéro) (Pays)

(Number) (Country)
(Numéro) (Pays)

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35, § 119(c) du Code des Etats-Unis, de toute demande de brevet provisoire effectuée aux Etats-Unis et figurant ci-dessous.

(Application No.) (Filing Date)
(N° de demande) (Date de dépôt)

(Application No.) (Filing Date)
(N° de demande) (Date de dépôt)

Je revendique par le présent acte tout bénéfice, en vertu du Titre 35, § 120 du Code des Etats-Unis, de toute demande de brevet effectuée aux Etats-Unis, ou en vertu du Titre 35, § 365(c) du même Code, de toute demande internationale PCT désignant les Etats-Unis et figurant ci-dessous et, dans la mesure où l'objet de chacune des revendications de cette demande de brevet n'est pas divulgué dans la demande antérieure américaine ou internationale PCT, en vertu des dispositions du premier paragraphe du Titre 35, § 112 du Code des Etats-Unis, je reconnais devoir divulguer toute information pertinente à la brevetabilité, comme défini dans le Titre 37, § 1.56 du Code fédéral des réglementations, dont j'ai pu disposer entre la date de dépôt de la demande antérieure et la date de dépôt de la demande nationale ou internationale PCT de la présente demande:

PCT/IB2003/004872 31 October 2003

(Application No.) (Filing Date)
(N° de demande) (Date de dépôt)

(Application No.) (Filing Date)
(N° de demande) (Date de dépôt)

Je déclare par le présent acte que toute déclaration ci-incluse est, à ma connaissance, véridique et que toute déclaration formulée à partir de renseignements ou de suppositions est tenue pour véridique; et de plus, que toutes ces déclarations ont été formulées en sachant que toute fausse déclaration volontaire ou son équivalent est passible d'une amende ou d'une incarcération, ou des deux, en vertu de la Section 1001 du Titre 18 du Code des Etats-Unis, et que de telles déclarations volontairement fausses risquent de compromettre la validité de la demande de brevet ou du brevet délivré à partir de celle-ci.

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Claimed
Droit de priorité revendiqué

05 November 2002
(Day/Month/Year Filed)
(Jour/Mois/Année de dépôt)

☒

(Day/Month/Year Filed)
(Jour/Mois/Année de dépôt)

☐

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

WIPO

Pending

(Status) (patented, pending, abandoned)
(Statut) (breveté, en cours d'examen, abandonné)

(Status) (patented, pending, abandoned)
(Statut) (breveté, en cours d'examen, abandonné)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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French Language Declaration

POUVOIRS: En tant que l'inventeur cité, je désigne par la présente l'(les) avocat(s) et/ou agent(s) suivant(s) pour qu'ils poursuive(nt) la procédure de cette demande de brevet et traite(nt) toute affaire s'y rapportant avec l'Office des brevets et des marques: (mentionner le nom et le numéro d'enregistrement).

J. Scott Denko, Reg. No. 37,606

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: (list name and registration number)

J. Scott Denko, Reg. No. 37,606

Adresser toute correspondance à:

Andrews Kurth LLP
111 Congress Ave., Suite 1700
Austin, Texas 78701

Send Correspondence to:

Andrews Kurth LLP
111 Congress Ave., Suite 1700
Austin, Texas 78701

Adresser tout appel téléphonique à:
(nom et numéro de téléphone)

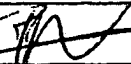

J. Scott Denko

Direct Telephone Calls to:
(name and telephone number)

J. Scott Denko

512-320-9259

512-320-9259

Nom complet de l'unique ou premier inventeur Jacques Beaurain	Full name of sole or first inventor Jacques Beaurain
Signature de l'inventeur  Date 24.05.2005	Inventor's signature  Date 24.05.2005
Domicile Imposse du Milleraie, 21910 Saulon la Chapelle, France	Residence Imposse du Milleraie, 21910 Saulon la Chapelle, France
Nationalité French	Citizenship French
Adresse postale Imposse du Milleraie, 21910 Saulon la Chapelle, France	Post Office Address Imposse du Milleraie, 21910 Saulon la Chapelle, France
Nom complet du second co-inventeur, le cas échéant Jean-Marc Fuentes	Full name of second joint inventor, if any Jean-Marc Fuentes
Signature du second inventeur Date	Second Inventor's signature Date
Domicile	Residence
Nationalité	Citizenship
Adresse postale	Post Office Address

(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)

(Supply similar information and signature for third and subsequent joint inventors.)

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111 Congress Ave., Suite 1700
Austin, Texas 78701

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Austin, Texas 78701

Adresser tout appel téléphonique à:
(nom et numéro de téléphone)

J. Scott Denko

Direct Telephone Calls to:
(name and telephone number)

J. Scott Denko

512-320-9259

512-320-9259

Nom complet de l'unique ou premier inventeur Jacques Beaurain	Full name of sole or first inventor Jacques Beaurain
Signature de l'inventeur _____ Date _____	Inventor's signature _____ Date _____
Domicile Imposse du Milleraie, 21910 Saulon la Chapelle, France	Residence Imposse du Milleraie, 21910 Saulon la Chapelle, France
Nationalité French	Citizenship French
Adresse postale Imposse du Milleraie, 21910 Saulon la Chapelle, France	Post Office Address Imposse du Milleraie, 21910 Saulon la Chapelle, France
Nom complet du second co-inventeur, le cas échéant Jean-Marc Fuentes	Full name of second joint inventor, if any Jean-Marc Fuentes
Signature du second inventeur <i>[Signature]</i> Date 26/05	Second Inventor's signature <i>[Signature]</i> Date 26/05
Domicile <i>Le Piquet</i> <i>allée des meranges</i> <i>34670 Gubels</i>	Residence <i>Le Piquet</i> <i>allée des meranges</i> <i>34670 Gubels</i>
Nationalité <i>Française</i>	Citizenship <i>French</i>
Adresse postale <i>la Milleraie</i> <i>220 bd Penelope</i> <i>34960 Montpellier cedex 2</i>	Post Office Address <i>la Milleraie</i> <i>220 bd Penelope</i> <i>34960 Montpellier cedex 2</i>

(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)

(Supply similar information and signature for third and subsequent joint inventors.)

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J. Scott Denko, Reg. No. 37,606

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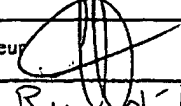
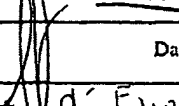
J. Scott Denko

Direct Telephone Calls to:
(name and telephone number)

J. Scott Denko

512-320-9259

512-320-9259

Nom complet de l'unique ou third inventor Jean-Marc Vital	Full name of third inventor Jean-Marc Vital
Signature de l'inventeur  Date 25/5/05	Inventor's signature  Date 25/5/05
Domicile 7 Rue d'Ennery 33200 BORDEAUX F	Residence 7 Rue d'Ennery 33200 BORDEAUX FRANCE
Nationalité FRANÇAISE	Citizenship FRENCH. FW
Adresse postale Mobilis Grignol 33076 BORDEAUX FRANCE	Post Office Address TRIPIDE HOSPITAL 33076 BORDEAUX
Nom complet du fourth co-inventeur, le cas échéant Thierry Dufour	Full name of fourth joint inventor, if any Thierry Dufour
Signature du fourth inventeur Date	fourth Inventor's signature Date
Domicile 22 rue des Ormes 45160 Olivet, France	Residence 22 rue des Ormes 45160 Olivet, France
Nationalité French	Citizenship French
Adresse postale 22 rue des Ormes 45160 Olivet, France	Post Office Address 22 rue des Ormes 45160 Olivet, France

(Fournir les mêmes renseignements et la signature de tout co-inventeur supplémentaire.)

(Supply similar information and signature for third and subsequent joint inventors.)

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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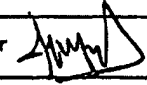
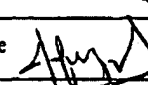
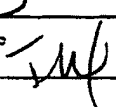
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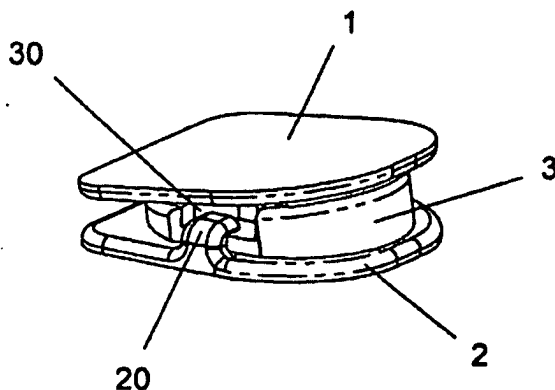
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTERVERTEBRAL DISK PROSTHESIS



(57) Abstract: The present invention relates to an intervertebral disk prosthesis comprising at least three parts including a first plate, referred to as the upper plate (1), a second plate, referred to as the lower plate (2), and a core (3), the upper surface of the core (3) being in contact with at least part (10) of the lower surface of the upper plate (1) and the lower surface of the core (3) being in contact with at least part of the upper surface of the lower plate (2), and the lower plate (1) being movable at least with respect to the core (3), characterised in that there are cooperation means between the lower to plate (2) and the core (3), so as to limit or eliminate translation movements of the core (3) with respect to the lower plate (2) along an axis substantially parallel to the lower plate (2), and to limit or eliminate rotation movements of the core (3) with respect to the lower plate (2), around an axis substantially perpendicular to the lower plate (2), the planes passing

through the upper (1) is and lower (2) plates forming a substantially constant angle.

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** SMALL ENTITY **

Title

Intervertebral disk prosthesis

Preliminary Class

623

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